

**Abstract**

Photodetectors 2a capable of converting optical signals that are received as input from the outside to electrical signals and supplying these electrical signals as output to output ports are mounted on two or more input ports of  
5 substrate 1 on which a semiconductor integrated circuit can be mounted; and moreover, the heights of these two or more photodetectors 2a are uniformly aligned, and the electrical signal input ports of the semiconductor integrated circuit that is mounted can be connected to the output ports of the above-described substrate 1.